

ABSTRACT OF THE DISCLOSURE

A data security system comprises a host processor, and a plurality of remote computers. Each remote computer provides biometric authentication of a user prior to responding to the user request for data access. The remote computers are handheld when in operational mode. A sensor in the handheld computer captures a biometric image while the remote computer is being used. The biometric sensor is positioned in such a way that the sensor enables the capture of the biometric image continually during computer usage with each request for access to secure data. The biometric authentication occurs in a seamless manner and is incidental to the data request enabling user identity authentication with each request to access secure data.